



# GREEN LINE PMMA SHEETS

## TECHNICAL SPECIFICATIONS

Specifications	Value	Test Method
Density (g/cm <sup>3</sup> )	1,19	ISO 1183
Water Absorption (%)	0,3	ISO 62
Tensile Modulus (Mpa)	≥ 2900	ISO 527
Tensile Strength (Mpa)	≥ 60	ISO 527
Elongation At Break (%)	≥ 4	ISO 527
Refractive Index	1,49	ISO 489
Max. Service Temperatures °C	70	-
Charpy Impact Resistance Unnotched (Kj/m <sup>2</sup> )	≥ 8	ISO 179
Vicat Softening Temperature °C	≥ 90	ISO 306
Recycle Material Usage	> 60	-

## PRODUCT FEATURES

Specifications	Value	Test Method
Thermal Conductivity (W/mK)	0,19	ASTM C177
Coefficient of Linear Thermal Expansion (mm/m °C)	0,07	DIN 53483
Sound Reduction (15mm) (dB)	30	EN 14388
Light Transmission % (Clear)	≥ 91	ASTM D 1003*
Haze % (Clear)	< 2	ASTM D 1003*

\*These values are measured with BYK Gardner Haze-Gard Meter by ISIK Quality Laboratory.

## DIMENSIONS

Thickness	1-15 mm
Width**	1220 and 2050 mm
Length**	2440 and 3050 mm

\*\* Depends on customer request

## OPTICAL QUALITY

Due to high amount of recycled materials, **GREEN LINE** PMMA sheets does not match ISO 7823-2 standart regarding to surface and inclusion defects. Please ask Işık Plastik for detailed information and classifications.

## FIRE PERFORMANCE

- Class HB according to UL94 standard
- Class E according to EN ISO 13501

## RECYCLABLE PACKAGING

- **GREEN LINE** PMMA Sheet is packed with recyclable packaging materials.
- Both surfaces of **GREEN LINE** sheet are masked with 100% recyclable PE protection film.

## SUSTAINABILITY

- **GREEN LINE** sheets are environmental friendly.
- **GREEN LINE** sheet polymer is a thermoplastic material. Thermoplastic materials can be regrind, recycled and reused. In this sense, thermoplastic polymers are key materials for sustainability.
- The outstanding chemical stability and long-term resistance to aging and weathering of **GREEN LINE** sheets often ensures a long service time.